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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/782,926	02/23/2004	Yoshihiro Imajo	HITA.0518	7547

7590 03/16/2006

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EXAMINER

NGUYEN, HOAN C

ART UNIT PAPER NUMBER

2871

DATE MAILED: 03/16/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/782,926

Applicant(s)

IMAJO ET AL. 

Examiner

HOAN C. NGUYEN

Art Unit

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 January 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-38 is/are pending in the application.
- 4a) Of the above claim(s) 3 and 5-38 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 2 and 4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2/23/4, 2/24/6.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Group I and Species 7, which read on claims 1, 2 and 4, Fig. 7, in the reply filed on 3/01/2006 is acknowledged.

Claims 3 and 5-38 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 3/01/2006.

Specification

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 1-2 and 4 are rejected under 35 U.S.C. 102(b) as being anticipated by Takahashi et al. (US6266119B1).

In regard to claim 1, Takahashi et al. teach (Figs. 4-5) a display device forming

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- a board (driver board 36) for mounting a connector which allows inputting of video data thereon and
- a board (control circuit via FFC 39) for mounting a display control circuit to be connected to the connector thereon on a surface of a display module opposite to an observation side as shown in Figs. 5B or 5C,

wherein the board for mounting the connector thereon and the board for mounting the display control circuit thereon are physically separated from each other and, further, an area of the board for mounting the display control circuit thereon is set smaller than an area of the board for mounting the connector thereon as Fig. 4 shown.

In regard to claim 2, Takahashi et al. teach (Figs. 4-5) a display device comprising

- a display panel PNL 38/31/32/38, another member (black light unit 40) different from the display panel PNL which is mounted on a back surface of the display panel, and
- a board (driver board 36) for mounting the connector which allows inputting of video data and a display control circuit which is connected to the connector 37, wherein the board for mounting the connector thereon and
- the board (control circuit via FFC 39) for mounting the display control circuit thereon are physically separated from each other, the board for mounting the display control circuit thereon is arranged to be brought into contact with a back surface of a region of the display panel PNL except for a display portion (as

Figs. 5B-C shown), and the board for mounting the connector is arranged to be brought into contact with a back surface of the another member.

wherein

Claim 4:

- an area of the board for mounting the display control circuit thereon is set smaller than an area of the board for mounting the connector thereon as Fig. 4 shown.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Fukata et al. (US 6903794 B2) disclose a semiconductor device of the present invention includes a film-like flexible substrate having formed thereon a wiring pattern, external connection terminals formed at both end portions of the flexible substrate; and a semiconductor element mounted on a surface side of the flexible substrate.

Tajima et al. (US20010040664) disclose a tape carrier package is provided, which includes: a line provided on one surface of a tape substrate; and a semiconductor chip mounted on an other surface of the tape substrate, the semiconductor chip having an electrode which is electrically connected to the line.

Kawaguchi et al. (US 5592199 A) disclose a panel having a plurality of electrode terminals disposed along a peripheral portion of one surface thereof is assembled at small size, less weight, and low cost.

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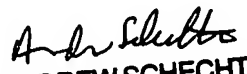
Any inquiry concerning this communication or earlier communications from the examiner should be directed to HOAN C. NGUYEN whose telephone number is (571) 272-2296. The examiner can normally be reached on MONDAY-THURSDAY:8:00AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim H. Robert can be reached on (571) 272-2293. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HOAN C. NGUYEN
Examiner
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ANDREW SCHECHTER
PRIMARY EXAMINER